

## 7.4 (Dividing Exponents) Worksheet

© 2014 Kuta Software LLC. All rights reserved.

**Simplify. Your answer should contain only positive exponents.**

1)  $\frac{6^7}{6^2}$

2)  $\frac{7^4}{7^2}$

3)  $\frac{6^5}{6^4}$

4)  $\frac{3^4}{3}$

5)  $\frac{3n^5}{8n^3}$

6)  $\frac{a^6}{4a^2}$

7)  $\frac{5x^8}{8x^7}$

8)  $\frac{4r^3}{r}$

9)  $\frac{m^9 n^{10}}{3m^7}$

10)  $\frac{2y^9}{2y^5}$

11)  $\frac{2m^8 n^9}{7m^2 n^3}$

12)  $\frac{7u^7 v^5}{4u^4}$

13)  $\frac{(2x^4 y^2)^3}{2yx^3}$

14)  $\left( \frac{(2yx^2)^4}{2xy^3} \right)^2$